## BEST AVAILABLE COPY

| POSITION                  | INITIALS | ID NO. | DATE |
|---------------------------|----------|--------|------|
| FEE DETERMINATION         |          |        |      |
| O.I.P.E. CLASSIFIER       | i        |        |      |
| FORMALITY REVIEW          |          |        |      |
| RESPONSE FORMALITY REVIEW |          |        |      |
|                           |          |        |      |

## INDEX OF CLAIMS

| ~ | Rejected                   | N | Non-elected  |
|---|----------------------------|---|--------------|
| = | Allowed                    | ı | Interference |
| _ | (Through numeral) Canceled | Α | Appeal       |
|   | Restricted                 | 0 | Objected     |

|          |          |      |              |              |              | ÷            | •••       | ••••         | • • • • • • | •…•       | ••••   |
|----------|----------|------|--------------|--------------|--------------|--------------|-----------|--------------|-------------|-----------|--|
|          | . 1      |      |              |              |              |              |           |              |             |           | $\neg$   |
| Cla      | ım       |      | -            |              |              | Dat          | e<br>——   |              |             | _         | -1   |
|          | ıa       | Ġ,   | 10           | _            |              |              |           |              |             |           | ١  |
| Final    | briginal | 18/6 | (1)          |              |              |              |           |              |             | - 1       |  |
| Ē        |          |      | 7            |              | _            |              |           |              |             |           |  |
| i        | (1)      | V    | 1/           |              |              |              |           |              |             |           |  |
| 1        | 2        | V    | <i>V</i> ,   |              |              |              |           |              |             |           |  |
|          | 3        | V    | V.           |              | Г            |              |           |              |             |           |  |
|          | 4<br>(2) | J    | $\checkmark$ |              |              |              |           |              |             |           |  |
|          | ন্ত      | Ġ    | Ξ            |              |              |              |           |              |             |           |  |
|          | 10       | Υ    | ī            |              |              |              |           |              |             |           |  |
| $\vdash$ |          | 1    |              |              |              |              |           |              |             |           |  |
|          | 8        | 1    | H            | $\vdash$     |              |              |           |              |             |           | _  |
|          | 9        | δ    | H            | -            | 厂            |              |           |              |             |           |  |
| М        | 10       | ~    | H            | ┢            | <del> </del> | -            |           | _            |             |           | $\neg$   |
| 一        | 10<br>11 | 1    | Н            | -            | ╁            | <del> </del> | ├         | -            |             |           |  |
| -        | 12       | ╁    | H            |              | -            | -            |           | -            | -           |           | $\neg$   |
| $\vdash$ | 13       | H    | +            | -            | ╁            | +            | -         | $\vdash$     | $\vdash$    | Н         | _  |
| $\vdash$ | 14       | +    | -            | $\vdash$     | +            | $\vdash$     |           | $\vdash$     | $\vdash$    | $\vdash$  | _  |
| $\vdash$ | 15       | #-   | +            | $\vdash$     | -            | $\vdash$     |           | -            | $\vdash$    | H         |  |
| $\vdash$ | 16       | -    | ╫            | -            | $\vdash$     | $\vdash$     |           | $\vdash$     | -           | $\vdash$  | -  |
| ⊢        | _        | H-   | H            | ├            | ╄            | ├-           | ⊢         |              | ⊢           |           | -  |
| <u> </u> | 17       | ₩    | H            |              | <u> </u>     | -            | -         |              | ⊢           | -         |  |
| <u> </u> | 18       | ╙    | H            | <u> </u>     | <del> </del> | <u> </u>     | ├         | ┝            |             |           |  |
| <u> </u> | 19       | Ш.   | H            | <u> </u>     | ļ            | <u> </u>     | <u> </u>  | ۱_           | ├-          |           | _  |
|          | 20       | Ш    |              |              | _            |              |           | <u>_</u>     | <u> </u>    |           |  |
|          | 21       | Ш    | Ш            |              |              |              | L         | L            |             |           |  |
| [        | 22       |      |              |              |              |              | · .       |              |             |           |  |
| [:-      | 23       |      | П            |              |              |              |           |              |             |           |  |
|          | 24       | =    | П            |              |              | Г            | Г         | Π            |             |           |  |
| ļ.       | 25       | V    | П            | Г            | T            | Г            |           |              |             |           |  |
|          | 26       | ſ    | П            |              |              |              |           |              | Г           |           | Γ  |
| $\vdash$ | 27       |      | П            | ✝            | $\top$       | T            | 1         |              |             | $\vdash$  |  |
| $\vdash$ | 28       | 11-  | H            | t            | $\top$       | ✝            | 1         | ✝            | T           |           |  |
| Н        | 29       | 11-  | Н            | -            | †            | ✝            | +-        |              | $t^{-}$     | $\vdash$  | <del>                                     </del> |
|          | 30       | ш_   | ╁┈           | <del> </del> | ╁╌           | $\vdash$     | +-        | $\vdash$     | +-          | $\vdash$  |  |
| $\vdash$ | 31       | #-   | $\vdash$     | ╟            | ╁            | ╁            | $\vdash$  | +-           | +           | $\vdash$  |  |
| -        | 32       | #    | 5            | }_           | ╁            | +            | ╁         | -            | ╁           | ╁╌        | -  |
| -        | 32<br>33 | F    |              | <del>`</del> | ╫            | +            | +         | ╁╌           | ┢           | ╁╌        | ├─   |
| $\vdash$ | 33       | B    | +            | 1            | +            | $\vdash$     | +         | $\vdash$     | +-          | +-        | -  |
| $\vdash$ | 35       | 32   | +            | +            | +            | +            | +-        | +            | $\vdash$    | ┼         | ⊢  |
| -        | 36       |      | ⊢            | $\vdash$     | +            | +            | +         | +            | +           | +         |  |
| $\vdash$ | -        | -    | 1            | +            | +            | +            | ╀         | +            | +-          | $\vdash$  | $\vdash$   |
| $\vdash$ | 37       |      | +            | ╀            | 4-           | +            | -         | $\vdash$     | ╀           | +-        | -  |
| $\vdash$ | 38       | -    | ╀            | ╄            | +-           | 1            | +         | ┼-           | $\vdash$    |           | -  |
| $\vdash$ | 39       | +    | ـ            | ـ            | $\perp$      | -            | 1         | $\vdash$     | ļ           | ₩         | _  |
| L        | 40       | +-   | 1_           | L            | $\perp$      | _            |           | L            | ↓_          | L         | L  |
| L        | 41       | _    |              | $\perp$      | $\perp$      | $\perp$      | $\perp$   | L            | $\perp$     | L         | L  |
|          | 42       |      |              | $oxed{oxed}$ |              |              |           |              |             |           |  |
| -        | 43       | 1    |              |              |              | П            | Π         | Π            |             |           |  |
|          | 44       | 1    | T            | T            | Τ            | Т            | 1         | T            |             | $\top$    | Г  |
|          | 45       | _    | †            | T            | $\top$       | T            | †         | T            |             | 1         | Τ  |
|          | 46       | -    |              | T            | +            | +            | †         | T            | $\dagger$   | $\top$    | T  |
| $\vdash$ | 47       |      | $^{+}$       | +            | T            | +            | $\dagger$ | $^{\dagger}$ | +           | t         | $\vdash$   |
| $\vdash$ | 48       | +    | +-           | 十            | +            | +            | +         | +            | +           | $\dagger$ | t  |
| $\vdash$ | 49       | -    | +-           | +            | +            | +            | +         | +            | +-          | $\top$    | $^{+}$   |
| $\vdash$ | 50       | -    | +            | 1-           | +            | +            | +-        | +            | +-          | 1         | +  |
| $\vdash$ | 100      |      |              | 1            | _            |              |           | _            |             |           | 1  |

| Cla      | im       |  |               |          |   | _      | Dat  | е            |   |          | _        |              |          |
|----------|----------|--|---------------|----------|---|--------|--|--------------|---|----------|----------|--------------|----------|
|          | al       |  | - 1           |          |   | -      |  |              |   | - 1      |          |              |          |
| 7        | Original |  | -             |          | l |        |  |              | ĺ | l        | 1        |              |          |
| Final    | Ö        |  | 1             |          | l |        |  |              | l | - 1      |          |              |          |
|          | 51       | T  | _             | _        | t | 7      |  |              | t |          |          |              |          |
|          | 52       | $\dashv$   | -             | _        | t | -      |  |              | t |          |          |              |          |
|          |          |  |               |          | ╀ | ┥      | -  |              | + |          | -        |              |          |
|          | 53       | _  | _             |          | Ļ | _      |  |              | 1 |          |          |              | _        |
|          | 54       | _  |               |          | ļ | 4      |  |              | + | _        |          |              | _        |
|          | 55       | _  |               | L        | L | _      |  |              | 1 | $\dashv$ |          |              |          |
|          | 56       |  |               |          | L |        |  |              | 1 | _        |          |              |          |
|          | 57       |  |               |          |   |        |  |              | 1 |          |          |              |          |
|          | 58       |  |               |          | L |        |  |              |   |          |          |              |          |
|          | 59       |  |               |          | T |        |  |              | Ī |          |          |              |          |
|          | 60       |  |               |          | T |        |  |              | 1 |          |          |              |          |
|          | 61       |  |               | _        | t | $\neg$ |  |              | Ť |          |          |              |          |
|          | 62       |  |               | $\vdash$ | † |        |  |              | † |          | _        | H            |          |
| _        | 63       |  |               | $\vdash$ | + | -      |  | ┝            | † | -        |          |              | -        |
| _        |          |  |               | -        | + | -      |  | -            | + | _        | _        | -            |          |
| _        | 64       |  |               |          | + | _      |  | ┝            | + | _        |          | -            | -        |
| <u> </u> | 65       | _  |               | -        | 1 |        |  | L            | + |          |          | <del> </del> |          |
| _        | 66       |  |               |          | 1 |        |  | L            | 4 |          | _        | _            | -        |
|          | 67       |  |               | _        | 1 |        |  | <u> </u>     | 1 |          | _        | <u> </u>     | _        |
|          | 68       |  |               | <u> </u> | 1 |        |  | L            | 1 |          |          | <u> </u>     | <u> </u> |
|          | 69       |  |               |          |   |        |  |              |   |          |          | <u> </u>     |          |
|          | 70       |  |               | [        | I | -      |  |              | 1 |          |          | İ            |          |
| <u> </u> | 71       |  | $\overline{}$ | Т        | † |        |  | T            | 1 |          | $\vdash$ | T            |          |
| ┢        | 72       | -  |               |          | † | -      | -  | 1            | 1 |          | i        | -            | ┰        |
| ┝        | 73       | <del>                                     </del> | $\vdash$      | -        | + |        | -  | $\vdash$     | 1 |          | -        | -            | H        |
| ⊢        | 74       | $\vdash$   |               | -        | + |        | -  | H            | + |          | ├-       |              | H        |
|          | 75       | $\vdash$   |               | ╁        | + | _      |  | +-           | + | _        | -        | 1            | -        |
| -        | 76       |  | $\vdash$      | ⊢        | + |        | -  | ╁            | + |          | $\vdash$ | ┢            | ┢        |
|          | -        | <del> </del>                                     |               | ⊢        | + |        | <u> </u>                                     | ┝            | 4 |          | ₩        | ╁            | -        |
| <u> </u> | 77       | <u> </u>   | ļ             | ⊬        | 4 | _      | -  | ╀            | 4 |          | -        | ╄            | <b>├</b> |
| ╙        | 78       | _  | _             | ┡        | 4 |        | <u>                                     </u> | 1            | _ |          | <u> </u> | _            | ┡-       |
| L_       | 79       | <u>L</u>   |               | _        | 1 |        | _  | L            |   |          | L        | ļ            | Ļ        |
|          | 80       | _  | L             |          |   |        | L  | L            |   |          |          | <u> </u>     | L.       |
|          | 81       |  |               |          |   |        |  | _            |   |          |          |              |          |
|          | 82       | Γ  |               |          | ٦ |        |  | Π            |   |          |          |              |          |
| Г        | 83       |  |               |          | 1 |        |  | T            |   |          |          |              | Г        |
| _        | 84       | $t^-$  | Т             | T        | 7 |        |  | Τ            |   |          | Г        |              |          |
| $\vdash$ | 85       | $\vdash$   | 1             |          | 1 |        | t  | 1            |   |          | T        |              |          |
| $\vdash$ | 86       | $\vdash$   | 1             | t        | 1 |        | 1  | ✝            | _ |          |          | t            | 1        |
| $\vdash$ | 87       | ╁  | $\vdash$      | ╁╌       | ┪ |        | Н  | ╁            | - |          | ╁        | +            | 十        |
| -        | 88       | ├─   | $\vdash$      | ╁        | ┨ |        | ⊢  | ╁            | - |          | H        | ╁            | ╁        |
| $\vdash$ | -        | ┝  | ├             | -        | 4 | _      |  | ╁            | - | -        | ╁        | +-           | +        |
| <u> </u> | 89       | -  | -             | ╀        | 4 |        | -  | ╀            | _ | _        | -        | +            | +        |
| <u>_</u> | 90       | 1_   | <u> </u>      | 1        | 4 |        | -  | $\downarrow$ | _ | _        | 1        | 1            | 1        |
| L        | 91       | L  |               | L        |   | _      | L  | L            | _ |          | L        | _            | L        |
|          | 92       |  | L             | L        |   |        | L  |              | _ | L        |          |              | 1        |
| Г        | 93       |  |               | Γ        |   |        |  |              |   |          |          |              |          |
| Г        | 94       |  | Г             | T        |   |        | Π  | Τ            |   |          |          |              | Γ        |
|          | 95       | +-   | 1             | T        | _ | _      | Т  | †            | _ |          |          | 1            | $\top$   |
| -        | 96       |  | T             | T        | 7 |        | T  | T            |   |          | 1        | 1            | T        |
| $\vdash$ | 97       | +  | $\vdash$      | +        |   | _      | t  | t            |   | H        | t        | +            | t        |
| $\vdash$ | 98       |  | ╀             | +        | - | -      | +  | +            | _ | -        | +        | +            | ╁        |
| $\vdash$ | 99       | -  | $\vdash$      | +        | - | -      | +  | +            |   | -        | +        | +            | 十        |
| 1        | 199      | Ή  | 1             | 1        |   | l      | 1  |              | _ | ١        | $\perp$  |              | _        |

| Cla      | Claim Date |          |              |               |          |                |          |  |              |          | _        |
|----------|------------|----------|--------------|---------------|----------|----------------|----------|--|--------------|----------|----------|
| Cia      |            |          |              |               |          | T a            |          |  | _            |          | $\dashv$ |
| Final    | Original   |          |              |               |          |                |          |  |              |          |          |
|          | 101        |          |              |               |          |                | ĺ        |  |              |          |          |
|          | 102        |          |              |               |          |                | Π        |  |              |          |          |
|          | 103        |          |              |               | <u> </u> | $\vdash$       |          |  |              |          |          |
|          | 104        |          | ┝            | _             | ┢        | -              | $\vdash$ |  | _            | $\neg$   | $\dashv$ |
|          | 105        | Н        | -            |               | $\vdash$ | H              |          |  | _            | Н        | 一        |
|          | 106        | -        | -            | $\vdash$      | ├        | <del>  -</del> | -        |  |              |          | $\dashv$ |
|          | 107        |          |              |               | $\vdash$ | -              | -        | -  |              |          |          |
|          | 108        | -        |              |               | ┢        | <del> </del>   | -        | -  |              |          | $\dashv$ |
| _        | 109        | -        |              | <u> </u>      | -        | -              |          | $\vdash$   |              |          | $\dashv$ |
| -        | 110        |          | <del> </del> | -             | $\vdash$ | $\vdash$       | ┼        | ├-   | _            |          |          |
| _        | 111        |          | -            | -             | ┼        | ┼              | ╁        | -  |              |          | -        |
|          | -          | -        |              |               | ┼        | +              | -        |  | $\vdash$     |          |          |
|          | 112        |          |              | _             | -        |                | -        | -  | -            | -        |          |
|          | 113        |          |              | <u> </u>      | ╄        |                | $\vdash$ |  | _            | -        |          |
| <u> </u> | 114        |          |              | _             | +        | -              | -        |  | -            |          | $\vdash$ |
| <u> </u> | 115<br>116 |          | <u> </u>     | -             | -        | ╁              | +-       | ├-   |              | H        |          |
| H        | 117        |          | -            | ┝             | ╁        | -              | ╁        | -  |              |          |          |
|          | 118        |          | ├-           | -             | -        | -              | +-       | $\vdash$   |              |          |          |
| ⊢        | 119        |          | ╁            | -             | ╁        | -              | -        | ┼  | $\vdash$     | $\vdash$ |          |
| -        | 120        | •        | ├            | <del> -</del> | ╁        | +-             | ╂        |  | $\vdash$     |          |          |
| -        | 121        |          | ┼            | ├             | ╁        | +              | -        | -  | H            | ┢        | -        |
| $\vdash$ | 122        |          | -            | ┢             | ╫        | +-             | ╁╾       | +  | ⊢            | -        |          |
| -        | 123        |          | ╁╴           | ╁             | t        | ╁╴             | +        | $\vdash$   | <del> </del> | $\vdash$ |          |
| -        | 124        |          | +            | t             | +-       | +              | ╁        | -  |              | T        | -        |
| Г        | 125        |          |              | 1             | T        | 1              | 1        |  |              |          |          |
|          | 126        |          |              |               |          |                |          |  |              |          |          |
|          | 127        |          | <u> </u>     | _             | _        | $\perp$        | $\perp$  | 1  | <u> </u>     |          | ļ        |
| L        | 128        |          | <u> </u>     | $\perp$       | 1_       | _              | $\perp$  | <u> </u>   | _            | _        | ļ        |
| L        | 129        |          |              | L             | 1        | _              | 上        | _  | ļ            | 1_       |          |
| L        | 130        |          | L            | _             | _        | 1_             | 1        | $\perp$  |              | _        | _        |
|          | 13         |          | _            |               |          |                | 上        | 1_   | _            | 1_       |          |
| L        | 132        |          |              |               |          |                |          | 1_   | <u></u>      | <u> </u> |          |
| L        | 130        |          | L            | L             |          | $\perp$        |          | _  |              |          |          |
| L        | 13         |          |              |               |          |                | _        | _  |              | L        |          |
| L        | 13         | <u> </u> | L            |               |          |                | 1_       | $\perp$  |              | _        | _        |
| L        | 136        |          |              |               | _        |                | 1_       | $\perp$  |              | 上        | L        |
|          | 13         |          |              |               | $\perp$  |                |          |  |              |          |          |
| L        | 138        |          | <u>L</u>     | L             |          |                | ļ        |  | L            | _        | L        |
|          | 139        |          | $\perp$      | L             |          | $\perp$        |          | $oldsymbol{ol}}}}}}}}}}}}}}}}}}$ |              | _        | <u>L</u> |
|          | 140        |          |              | L             | L        |                | ┸        | L  |              |          | _        |
| L        | 14         | 1_       | $\perp$      |               |          |                | $\perp$  |  |              | _        | _        |
| L        | 14         |          | ļ.,          | 1             | 1        | 1              | 1        | _  |              | 1_       | Ļ.,      |
| -        | 14         |          | 1            | $\downarrow$  | 1        | 4              | $\bot$   | 4  | _            | -        | -        |
| _        | 14         |          | +            | $\bot$        | 4        | +              | +        | +-   | 1            | -        | -        |
| -        | 14         |          | +            | +             | +-       | +              | +        | +-   | +            | +        | $\vdash$ |
| -        | 14         | _        | +            | +             | +        | +              | +        |  | +            | +        | +-       |
| -        | 14         |          | +            | +             | +        | +              | +        | +-   | +            | +        | $\vdash$ |
| $\vdash$ | 14         |          | +-           | ╀             | +        | +              | +-       | +  | +            | +        | +        |
| -        | 15         |          | +            | +             | ╁        | +              | +        | +  | +            | +        | ╁        |
| Щ.       | 1,0        | ٣        |              |               |          |                |          |  | -            |          |          |

If more than 150 claims or 10 actions staple additional sheet here